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Claims

- 1. A method for protecting an entity from the effects of an explosion or from the effects of contact with a projectile comprising covering at least a part of said entity in a barrier comprising a water gel.
- 2. A method as claimed in claim 1 wherein said water gel is formed from water and a gel selected from gelatin, gellan gum gels, poly(gamma-benzyl-L-glutamate), agar, collagen, protein gels, polysaccharide gels, keratin gels, hydrogels, ormosils, sol-gels, hydrophilic polymer gels, glycoprotein gels, carrageenans, pectins, alginates, seed gums, egg protein g and Gelacrimide gels and mixtures thereof.
 - 3. A method as claimed in claim 2 wherein said water gel is formed from gelatin and water.
- 20 4. A method as claimed in any one of claims 1 to 3 wherein the concentration of gel in said water gel is 3 to 40% wt.
- 5. A method as claimed in claim 4 wherein the concentration of gel in said water gel is 5 to 25% wt.
 - 6. A method as claimed in claim 1 to 5 to protect an entity from the effects of an explosion.
- 30 7. A method as claimed in any one of claims 1 to 5 to mitigate the effects of contact with a projectile.
- A barrier comprising a water gel layer and a polymer layer, a metal layer, a ceramic layer, a fabric layer, a fibreglass layer, a dilatant layer or mixtures of such layers.

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9. A barrier as claimed in claim 8 wherein the gel is gelatin.

- 10. A barrier as claimed in claim 8 or 9 comprising a dilatant layer containing a polyethylene oxide layer.
- 11. A barrier as claimed in claim 8 to 10 comprising a layer of fire retardant material, a layer of material impervious to chemicals, radioactivity or biological agents.
- 12. A barrier to protect against the effects of an explosion or the effects of contact with a projectile comprising gelatin and water, wherein the concentration of gelatin in the water is at least 3% w/w.
 - 13. Use of a water gel in pressure impulse mitigation.
- 14. Use of a water gel to protect entities against chemical, biological or radiological contamination.
 - 15. A ship or vehicle comprising a barrier as claimed in claim 8 to 11.

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